

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : 10-169764

(43)Date of publication of application : 26.06.1998

(51)Int.Cl.

F16H 61/04  
// F16H 59:44  
F16H 59:68  
F16H 59:72  
F16H 63:12

(21)Application number : 08-332326

(71)Applicant : JATCO CORP

(22)Date of filing : 12.12.1996

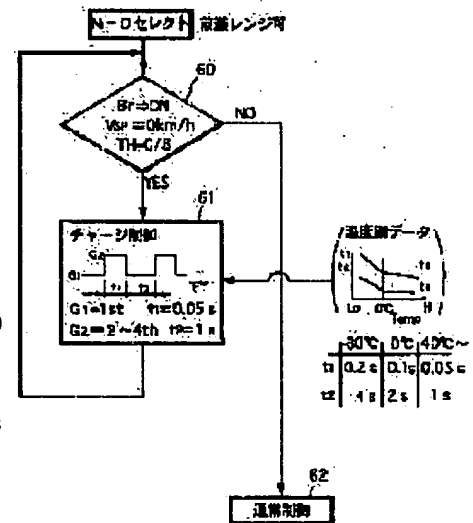
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## (54) HYDRAULIC CONTROL DEVICE FOR AUTOMATIC TRANSMISSION

### (57)Abstract:

**PROBLEM TO BE SOLVED:** To eliminate an operation lag of an engaging element, or the unstableness of a hydraulic pressure value, or the lowering of hydraulic responsiveness, etc., to ensure stable shift quality, by providing a controlling means for temporarily applying hydraulic pressure to an engaging element in an unengaged condition out of plural engaging elements, and exhausting air in a circuit.

**SOLUTION:** An A/T control unit is incorporated with a shift control program and also a circuit air exhaust control program for exhausting air in an hydraulic pressure circuit by temporarily applying hydraulic pressure to an engaging element in an unengaged condition out of plural hydraulic pressure engaging elements. Control is to be started on detecting an N-D selection to judge whether satisfying or not a vehicle stop condition where: a brake = ON, a vehicle speed  $V_{sp}=0\text{km/h}$ , and a throttle opening  $TH=0/8$  (S60). When satisfied, a second - fourth speed gear position  $G2$  is to be set during from a first speed gear position  $G1$  to a momentary time  $t1$ , and charge control is executed wherein this operation is continuously repeated at every constant time  $t2$  (S61).



### LEGAL STATUS

[Date of request for examination] 28.09.2001

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number] 3540529

[Date of registration] 02.04.2004

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

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